JAH 0 5 ZOM E

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TEMCENTER (COCESSO)

SEQUENCE LISTING

<110> Pompejus, Markus

Doval, Jose Luis Revuelta Garcia, Maria Angeles Santos

<120> Orotidine-5'-phosphate decarboxylase gene, gene construct comprising this gene and its use.

<140> US 09/582,779

<141> 2000-07-03

<150> Germany/19801120.2

<151> 1998-01-15

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tagggtgcta ccgacctagc cattgccac atg tca acg aaa tct tac gca gaa Met Ser Thr Lys Ser Tyr Ala Glu 1 5	233
agg gcc aag gca cac aat tog cca gtt gct aga aag ctt ctg gca ttg Arg Ala Lys Ala His Asn Ser Pro Val Ala Arg Lys Leu Leu Ala Leu 10 20	281
atg cac gag aag aaa acc aat ctc tgc gct tcc ctt gat gtg cgg acg Met His Glu Lys Lys Thr Asn Leu Cys Ala Ser Leu Asp Val Arg Thr 25 35 40	329
tct aga aag ctt ctg gag cta gca gac acg ctg gga ccg cac att tgt Ser Arg Lys Leu Leu Glu Leu Ala Asp Thr Leu Gly Pro His Ile Cys 45 50 55	377
cto cto and aca cat/otc one ata cto aco one tto one atc one	425

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16											TEEN GERTER 1880						
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	ttc Phe	gag Glu 90	gac Asp	cgc Arg	aag Lys	ttc Phe	gct Ala 95	gac Asp	att Ile	ggc Gly	aac Asn	acg Thr 100	gtt Val	aag Lys	ctg Leu	cag Gln	521
	tac Tyr 105	tcc Ser	tcc Ser	ggc Gly	gtg Val	tac Tyr 110	cgt Arg	atc Ile	gcg Ala	gag Glu	tgg Trp 115	gcg Ala	gat Asp	att Ile	acc Thr	aat Asn 120	569
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	gcg Ala	aaa Lys	ctg Leu	gcc Ala 140	Ser	cag Gln	gaa Glu	ccc Pro	agg Arg 145	ggg	ttg Leu	ctg Leu	atg Met	ctg Leu 150	gca Ala	gag Glu	665
,	ctc Leu	tct Ser	tct Ser 155	Gln	ggc Gly	tct Ser	ttg Leu	gcg Ala 160	cgc Arg	gga Gly	gac Asp	tat Tyr	acc Thr 165	Ala	ggc	gtc Val	713
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	gcc	e cgc Arg 250	Туг	c cgc	aaq J Lys	g gcc s Ala	ggt Gly 255	Trp	gaq Glu	gct Ala	tac Tyr	tto Lev 260	ı Arç	c cgt	ato Met	g ggc : Gly	1001
	-	g act			gtota	atcg	ctgg	geged	ca d	agta	tata	ag go	eggai	tcca	à		1050



265

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Asp Thr Leu Gly Pro His Ile Cys Leu Leu Lys Thr His Val Asp Ile
50 55 60

Leu Thr Asp Phe Asp Ile Glu Thr Thr Val Lys Pro Leu Gln Gln Leu 65 70 75 80

Ala Ala Lys His Asn Phe Met Ile Phe Glu Asp Arg Lys Phe Ala Asp 85 90 95

Ile Gly Asn Thr Val Lys Leu Gln Tyr Ser Ser Gly Val Tyr Arg Ile
100 105 110

Ala Glu Trp Ala Asp Ile Thr Asn Ala His Gly Val Thr Gly Pro Gly
115 120 125

Val Ile Ala Gly Leu Lys Glu Ala Ala Lys Leu Ala Ser Gln Glu Pro 130 135 140

Arg Gly Leu Leu Met Leu Ala Glu Leu Ser Ser Gln Gly Ser Leu Ala 145 150 155 160

Arg Gly Asp Tyr Thr Ala Gly Val Val Glu Met Ala Lys Leu Asp Glu

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165 170 175

Asp Phe Val Ile Gly Phe Ile Ala Gln Arg Asp Met Gly Gly Arg Ala 180 185 190

Asp Gly Phe Asp Trp Leu Ile Met Thr Pro Gly Val Gly Leu Asp Asp 195 200 205

Lys Gly Asp Gly Leu Gly Gln Gln Tyr Arg Thr Val Asp Glu Val Val 210 215 220

Ser Asp Gly Thr Asp Val Ile Ile Val Gly Arg Gly Leu Phe Asp Lys 225 230 235 240

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